

Dee May  
Executive Director  
Federal Regulatory

ORIGINAL  
**verizon**

1300 I Street N.W., Floor 400W  
Washington, DC 20005

Phone 202 515-2529  
Fax 202 336-7922  
dolores.a.may@verizon.com

June 27, 2001

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**JUN 28 2001**

**FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY**

**Ex Parte**

Ms. Magalie Roman Salas  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> St., S.W. – Portals  
Washington, DC 20554

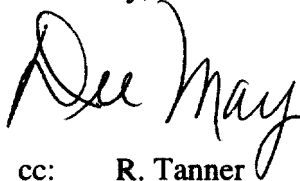
**EX PARTE OR LATE FILED**

**RE: Application by Verizon New York Inc. for Authorization To Provide In-Region,  
InterLATA Services in State of Pennsylvania, Docket No. 01-138**

Dear Ms. Salas:

At the request of the Common Carrier Bureau, Verizon conducted an overview of our Wholesale and OSS services yesterday in Pittsburgh, PA. The meeting attendees were: C. Odom, L. Vial, A. Berkowitz, M. Jordan, K. McLean, S. Sullivan, T. Tibbs, M. Davis, C. Nogay and J. White of Verizon and R. Tanner, T. Hanbury and B. Koerner of the FCC. The materials used during the session are enclosed. Please let me know if you have any questions. The twenty-page limit does not apply as set forth in DA 01-1486.

Sincerely,



cc: R. Tanner  
B. Koerner  
T. Hanbury  
S. Pie

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# Wholesale Local Service Overview



# Agenda

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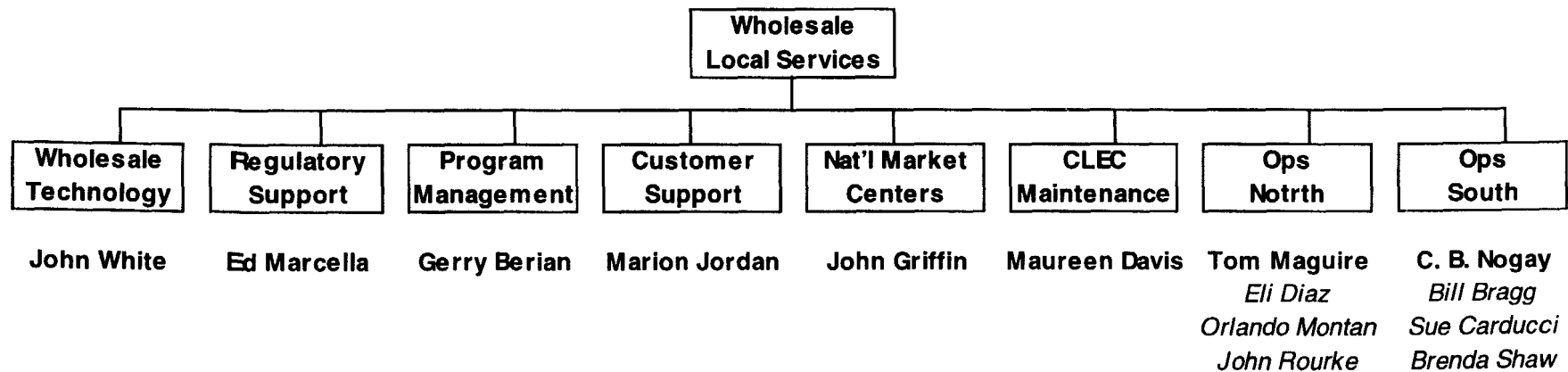
- ♦ **Local Service Organization**
- ♦ **Wholesale Local Products and Services**
- ♦ **Service Order / Provisioning Process**
  - New Loop
  - Hot Cut
- ♦ **Maintenance Process**
- ♦ **Line Splitting / Sharing**

# Wholesale Service

## *Local Services Organization*

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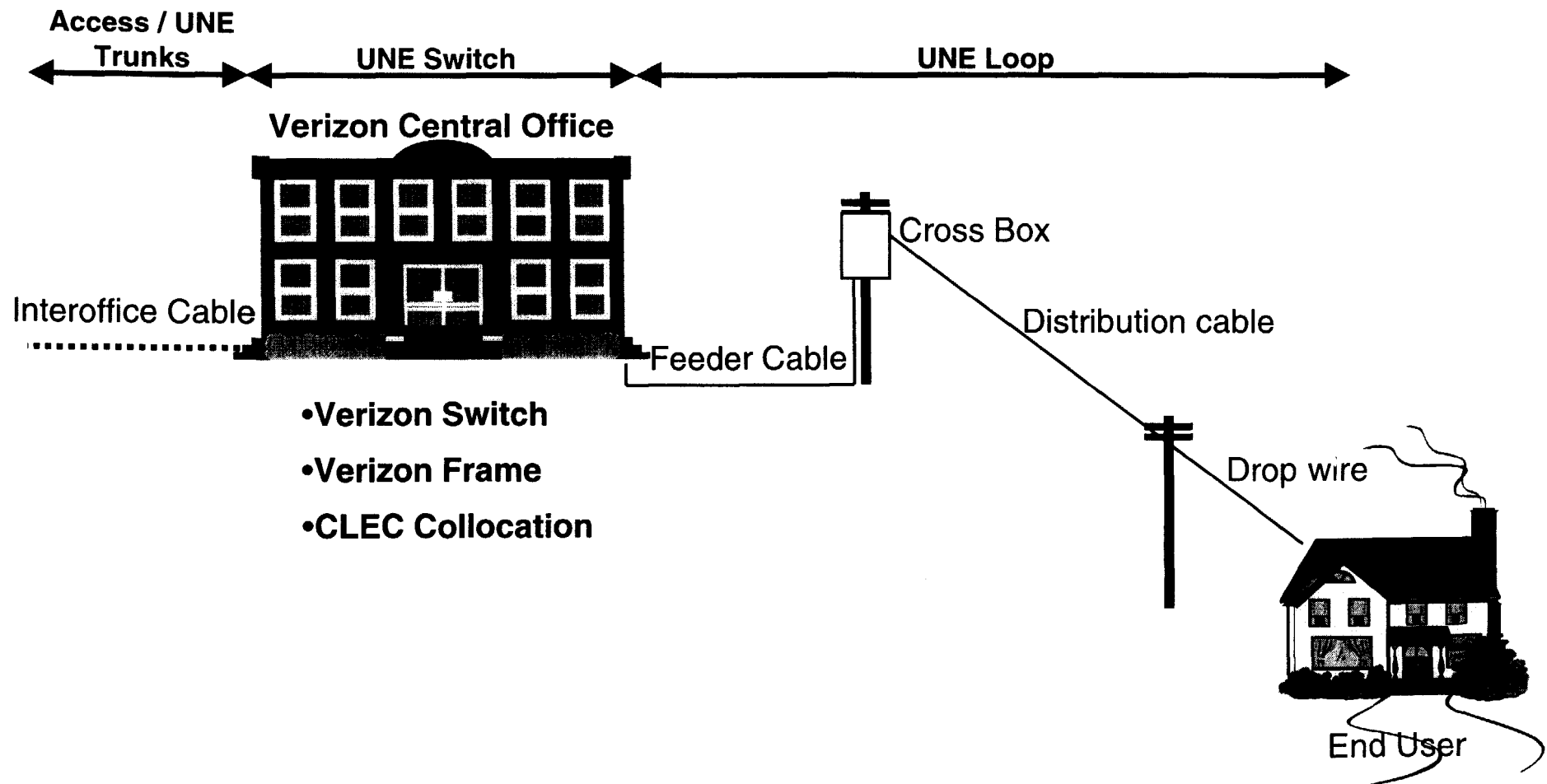
The Local Services group is structured in a geographic / functional fashion. Provisioning activities are divided geographically along the lines of the original Bell Atlantic, Nynex, and GTE territories. VZ-East maintenance activities, including trouble receipt, fall into a single organization:



# Wholesale Service

## *Unbundling the Verizon Network*

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# Wholesale Offerings

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- ♦ **Array of products for different services**
  - Analog (POTS)
  - Digital (DSL, ISDN)
  - High Capacity
- ♦ **Though products very similar, the CLECs order under various “Modes of Entry”**
  - Resale
  - UNE
  - DSL (Stand Alone, Line Sharing, Line Splitting)

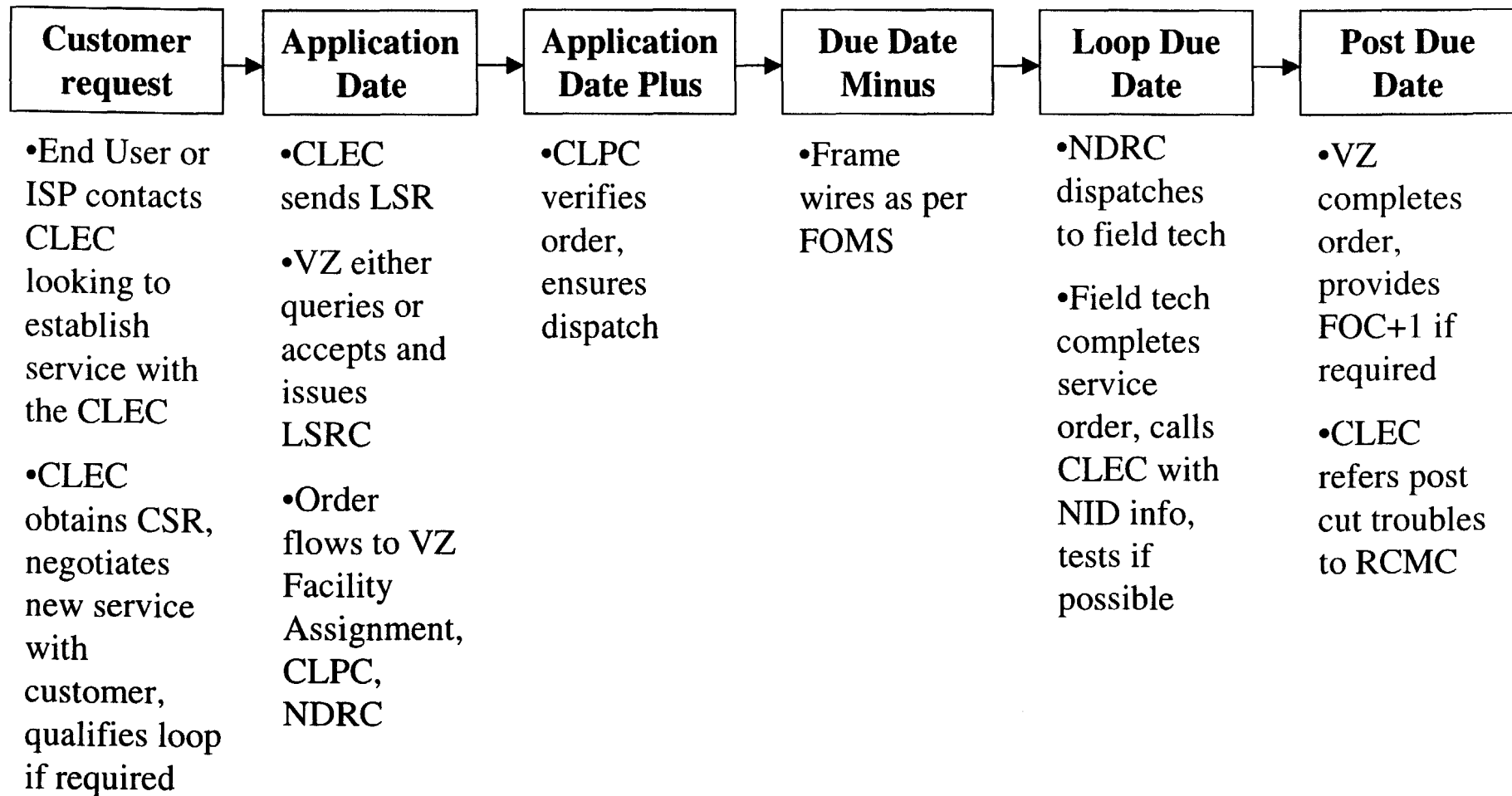
# Wholesale Offerings

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- ♦ **Loops provisioned in several ways**
  - Reuse of existing loop
    - Hot Cuts (VZ to CLEC, CLEC to CLEC)
    - Line Sharing
  - CLECs order new loop
- ♦ **The CLEC determines how the service will be ordered**

# Simple New Loop Process

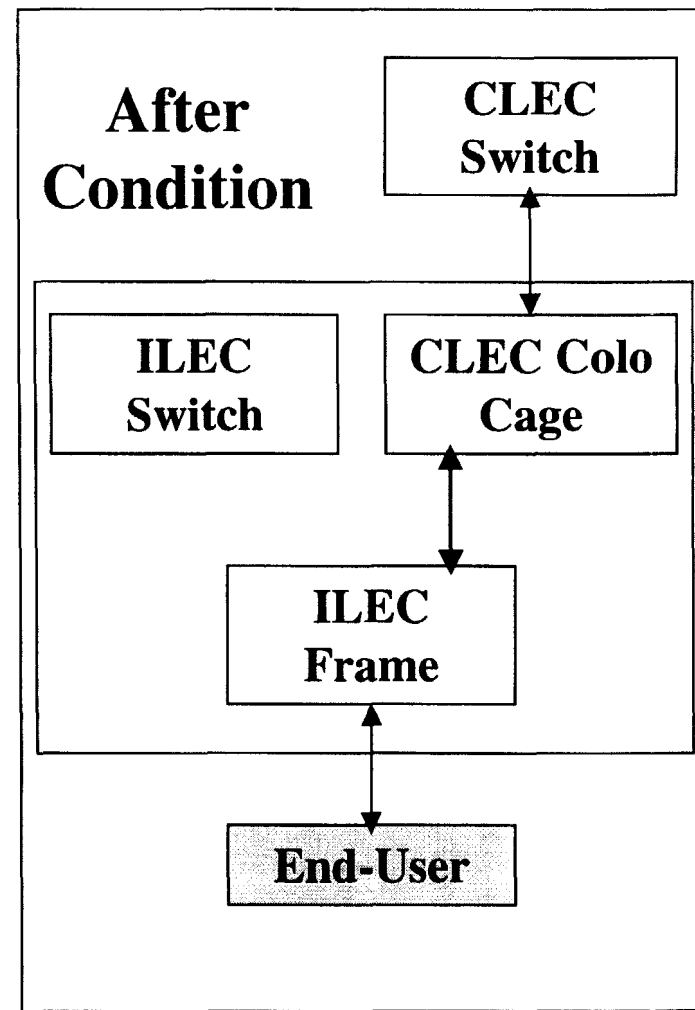
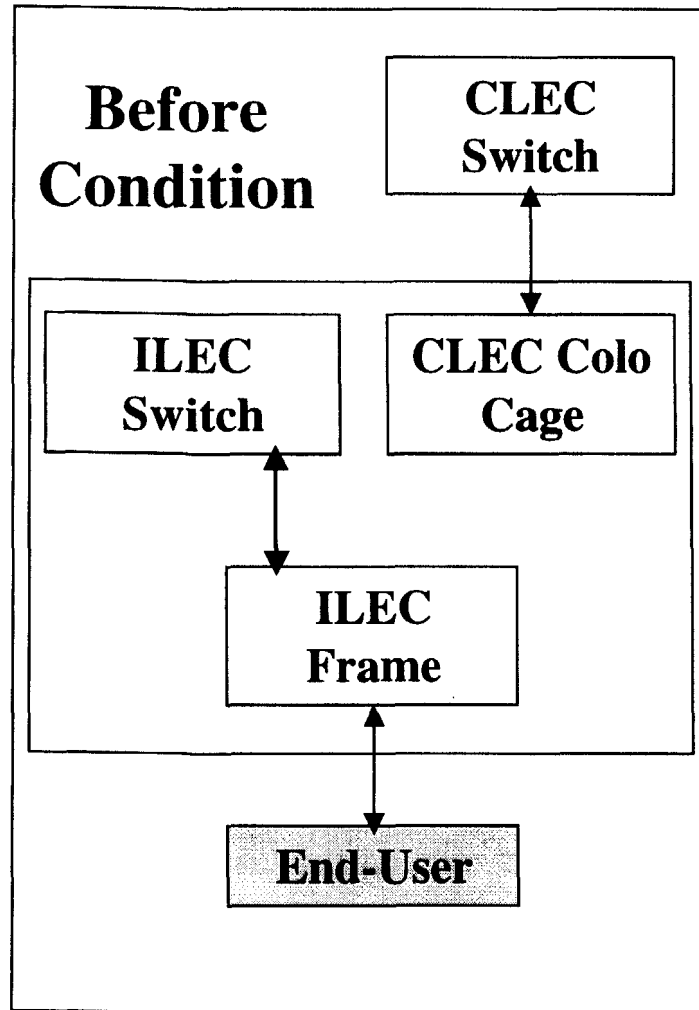
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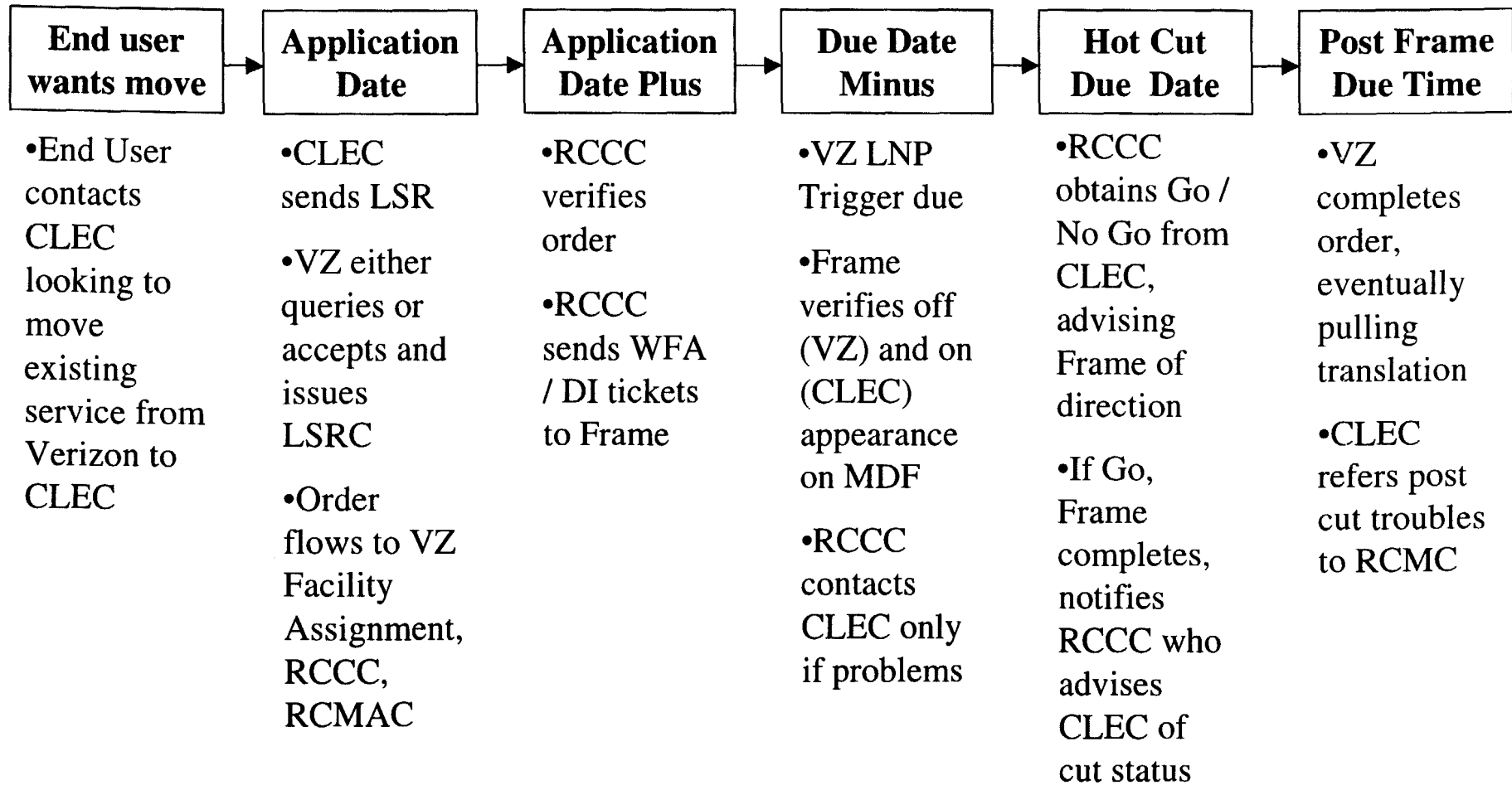
# Simplified Hot Cut

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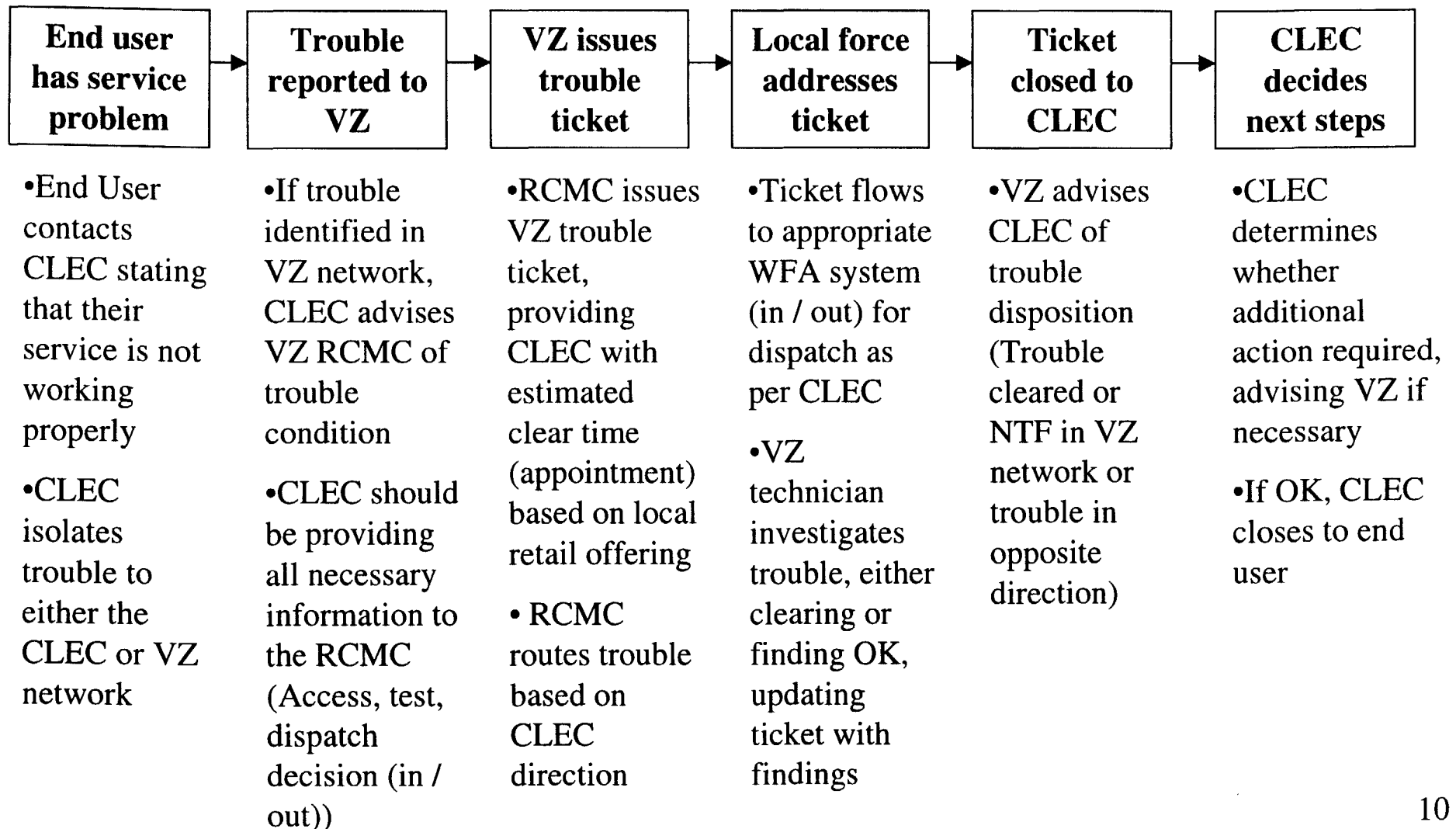
# Hot Cut Process

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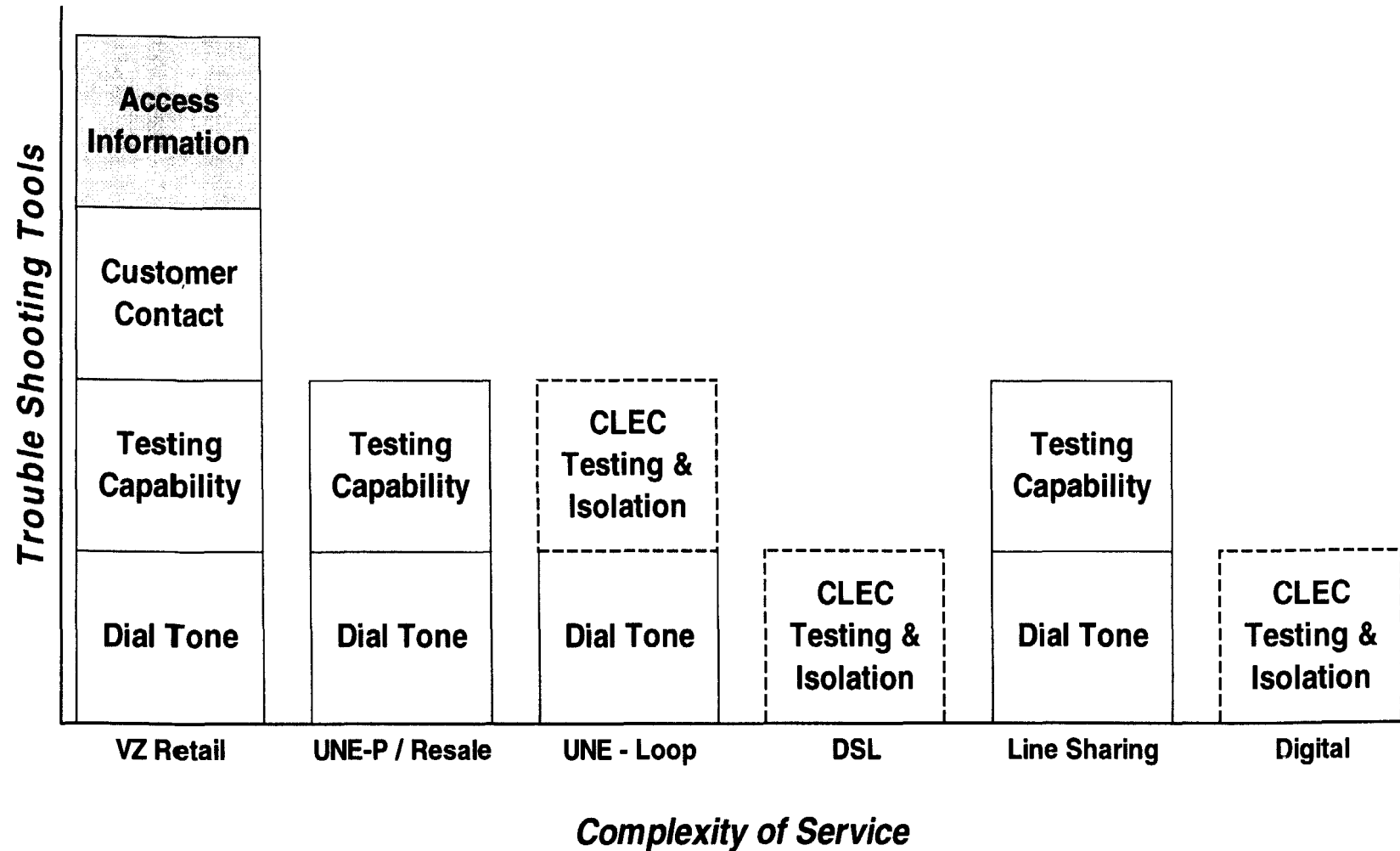
# Simple Loop Repair Process

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# Maintenance Variables

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# CLEC Maintenance Issues

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- ♦ **Repeated Reports**

- Misdirected (dispatched in wrong direction)
- No access to customer's location
- Found OK in error

- ♦ **Mean Time to Repair**

- Rejecting offered weekend appointment skews MTTR
- Dispatched out, found trouble in CO on resale creates disparity in MTTR - CO

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# Line Splitting & Line Sharing



# Comparison of Products

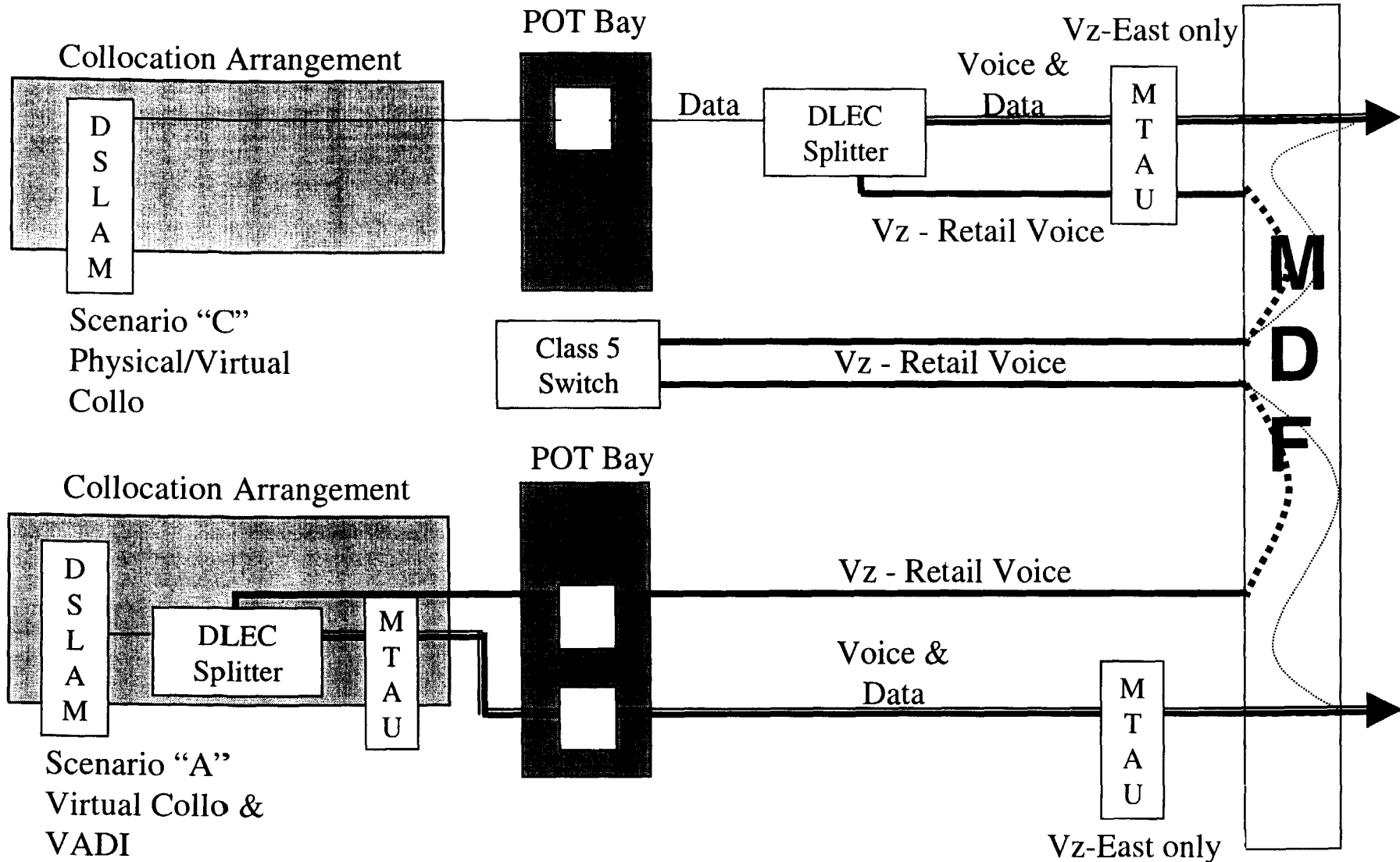
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- ♦ **Standalone DSL:** *For Data, For Data and Voice*
- ♦ **Verizon Online - DSL:** *VADI Data / Retail Voice*
- ♦ **Line Sharing:** *DLEC Data / Retail Voice*  
*Officially opened for business June 2000*
- ♦ **Line Splitting-Enhanced:** *DLEC Data / V-CLEC Voice*  
*Pilot May-June 2001*  
*Commercial availability Oct 2001*
- ♦ **Subloop Unbundling:** *CLEC Data, Voice or both*  
*May 17, 2001*
- ♦ **Packet Switching:** *DLEC Data*  
*To be determined*
- ♦ **Unbundled Infospeed:** *VZ Data, VZ Data and Voice*  
*Unknown*

*Follow-up  
discussions*

# DSL Line Sharing

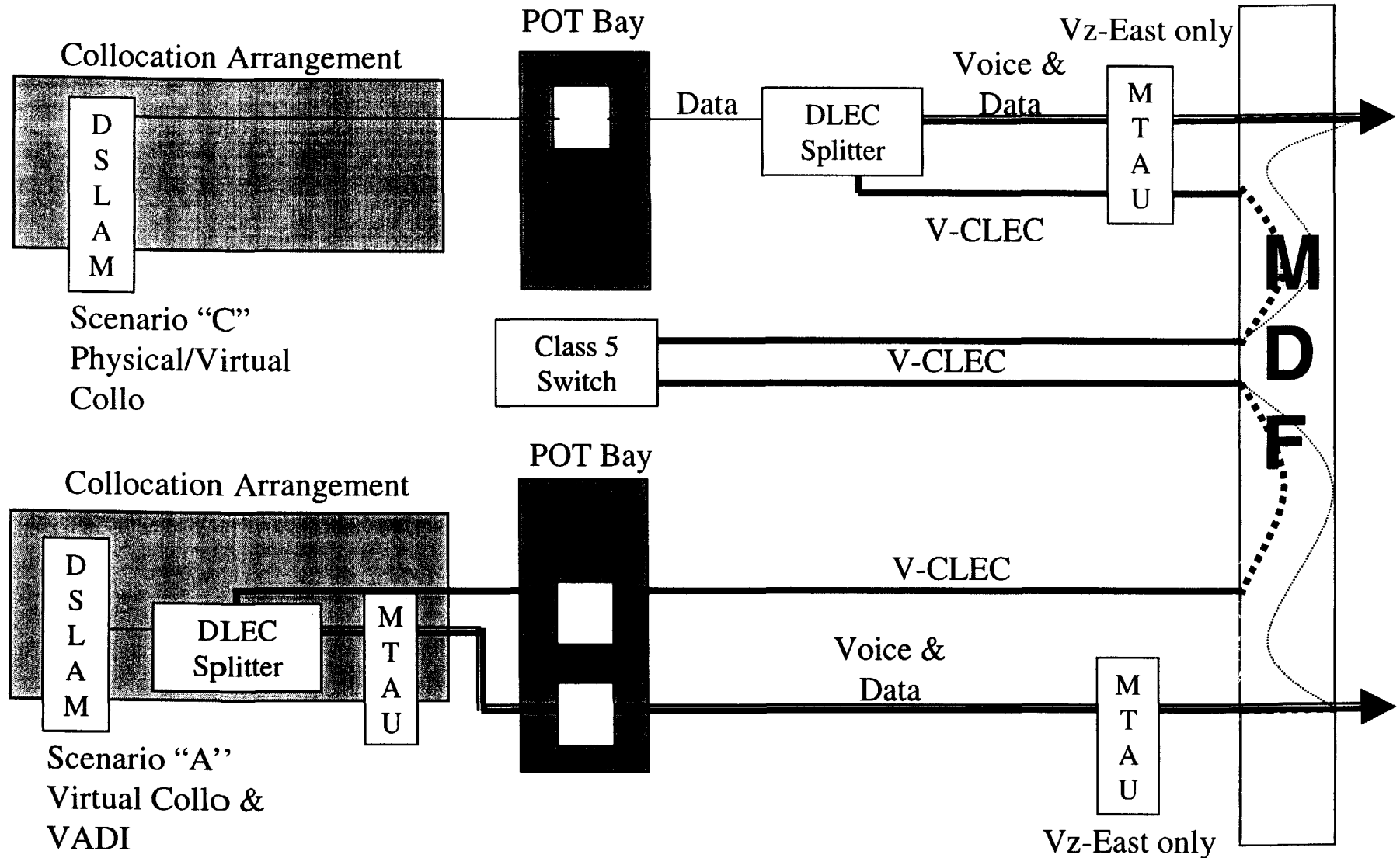
## *Current Configuration*





# DSL Line Splitting

## *Current Configuration*



# **Line Splitting-Enhanced *Ordering***

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- ♦ **Who Can Order**

- Business relationships need to be established between DLEC and VLEC

- ♦ **DLEC (using VLEC AECN but on a different server) orders**

- for addition of data to an UNE-P or Resold line
- VZ returns loop and port - customer service record information
- VLEC owns the customer service record with TN and circuit ID

# **Line Splitting-Enhanced *Ordering***

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- ♦ **DLEC(using the VLEC AECN) provides:**
  - CFA
  - type of collocation arrangement (A or C)
  - type of splitter technology (splitter signature Y/N)
  - Wideband Testing - Y/N
- ♦ **TISOC returns FOC to VLEC (DLEC)**
  - Our customer is the VLEC
  - DLEC provides new circuit ID and billing information to VLEC

# **Line Splitting-Enhanced**

## ***Testing and Maintenance***

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- ♦ **Testing Capabilities and Requirements varies by DLEC**
- ♦ **Differences depend on DLECs capabilities, equipment features and billing options chosen**
  - Different testing for Option A, C and standalone
  - Wideband Testing - varies by Area & CLEC
  - MLT - Splitter signature when available
  - SYNC testing trial
- ♦ **Repair call may be initiated by DLEC and/or VLEC**
  - TN and circuit ID must be provided in both cases

# **Line Splitting-Enhanced**

## ***Testing and Maintenance***

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- ♦ **Procedures to test both voice and data are required**
  - Even if trouble is reported on only one service
- ♦ **Closeout of trouble is reported to originator - not both**

# **Line Splitting-Enhanced *Timeline***

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- ♦ **Nov 2000 - Jan 2001**
  - Developed line splitting service descriptions
- ♦ **January 2001 - May 2001**
  - Develop business rules
  - Develop M&Ps and training materials for all work groups  
(TISOC, CLPC, MLAC, CO Operations, RCMC)
  - Pilot criteria & participants

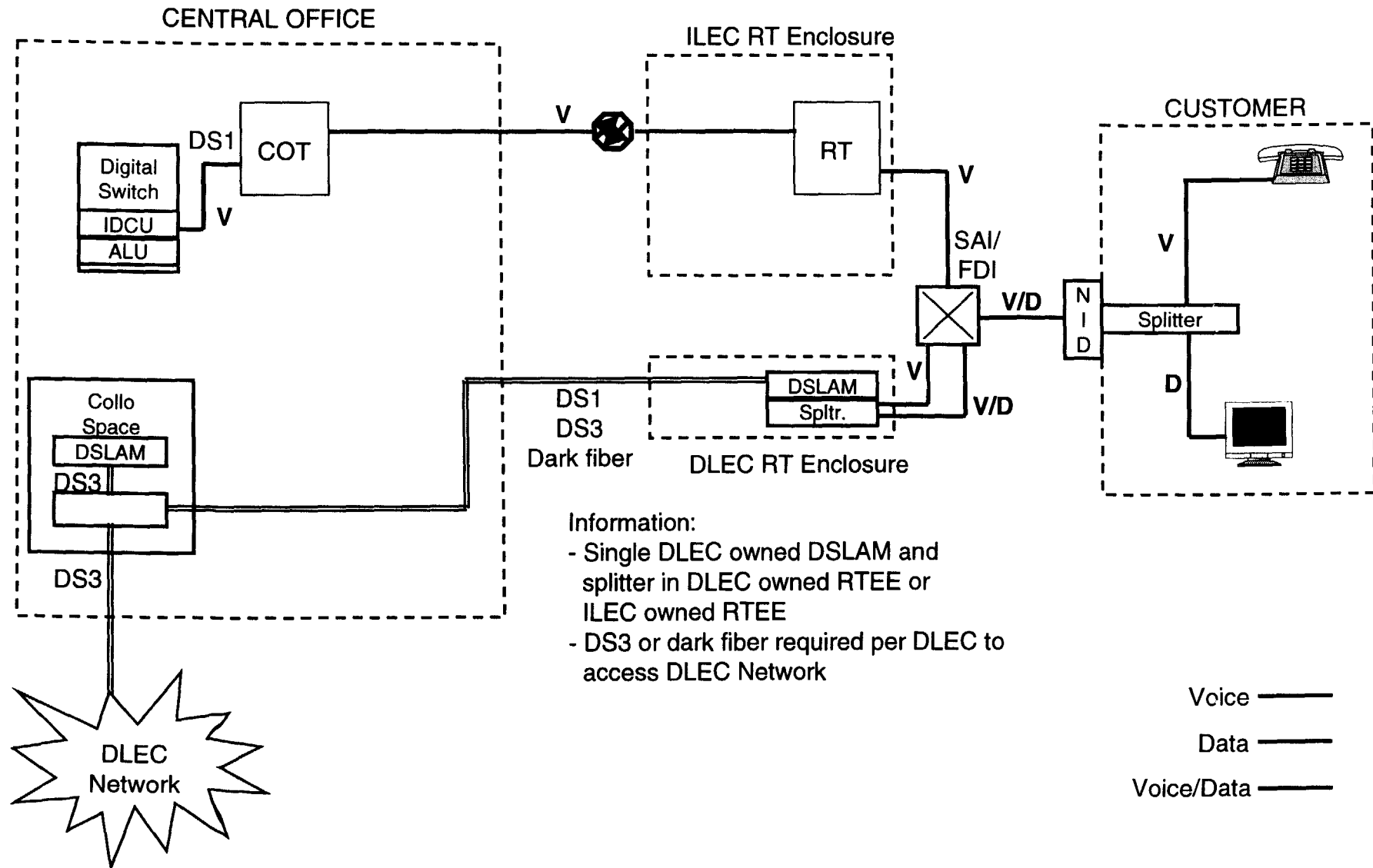
# **Line Splitting-Enhanced**

## ***Timeline***

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- ♦ **May 2001**
  - CLEC/DLEC software ready for testing ordering process
  - Training all Verizon employees affected by the pilot
- ♦ **June 2001 - September 2001 (Pilot in progress)**
  - M&P modifications and software modifications as required
- ♦ **October 2001**
  - Commercial deployment of Line splitting

# DLC-fed X-Box with R.T. Line Sharing (Subloop)





# DLC w/ADSL fed Cross-box for Line Sharing (Packet Switching)

